

# LITTLE COLORADO RIVER BASIN

09392800 LONG LAKE TRIBUTARY NEAR SHOW LOW, AZ

LOCATION.--Lat 34°15'40", long 109°59'41", in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>, sec.15, T.10 N., R.22 E., Navajo County, Hydrologic Unit 15020005, at U.S. Highway 60, 1 mi east of Show Low.

DRAINAGE AREA.--5.22 mi<sup>2</sup>.

## Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1965	01-07-65	231		1971	00-00-71	0	
1966	12-30-65	298		1972	12-26-71	530	
1967	00-00-67	0		1973	10-19-72	140	
1968	02-00-68	100		1974	00-00-74	0	
1969	03-19-69	30		1975	00-00-75	0	
1970	00-00-70	0		1976	00-00-76	20	LT

Magnitude and probability of instantaneous peak flow based on period of record 1965-76

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
23.4	195	524	1,380	2,460	4,030
Weighted skew	(logs) =	-0.49			
Mean	(logs) =	1.27			
Standard dev.	(logs) =	1.19			

† Reliability of values in column is uncertain, and potential errors are large.

## Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
133	4.0	6,700	66.0	3.0	13.5	1.8	3.9

